

Form PTO-948 (Rev. 06/03)
Application No. 10/198897U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 8/31/2004 are:

- A. approved by the Draftsperson under 37 CFR 1.84 or 1.152.
- B. objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

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| <p>1. DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).
 <input type="checkbox"/> Color drawings are not acceptable until petition is granted. Fig(s) _____
 <input type="checkbox"/> Pencil and non black ink not permitted. Fig(s) _____</p> <p>2. PHOTOGRAPHS. 37 CFR 1.84(b)
 <input type="checkbox"/> One (1) full-tone set is required. Fig(s) _____
 <input type="checkbox"/> Photographs may not be mounted. 37 CFR 1.84(e)
 <input type="checkbox"/> Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) _____
 <input type="checkbox"/> Poor quality (half-tone). Fig(s) _____</p> <p>3. TYPE OF PAPER. 37 CFR 1.84(e)
 <input type="checkbox"/> Paper not flexible, strong, white, and durable. Fig(s) _____
 <input type="checkbox"/> Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) <u>1-199</u></p> <p>4. SIZE OF PAPER. 37 CFR 1.84(f): Acceptable sizes:
 <input type="checkbox"/> 21.0 cm by 29.7 cm (DIN size A4) or
 <input type="checkbox"/> 21.6 cm by 27.9 cm (8 1/2x 11 inches)
 <input type="checkbox"/> All drawing sheets not the same size.
 <input type="checkbox"/> Sheet(s) _____
 <input type="checkbox"/> Drawings sheets not an acceptable size. Fig(s) _____</p> <p>5. MARGINS. 37 CFR 1.84(g): Acceptable margins: Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm
 <input type="checkbox"/> Margins not acceptable. Fig(s)
 <input type="checkbox"/> Top (T) _____ Left (L) _____
 <input type="checkbox"/> Right (R) _____ Bottom (B) _____</p> <p>6. VIEWS. 37 CFR 1.84(h)
 REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.
 <input checked="" type="checkbox"/> Views not labeled separately or properly.
 Fig(s) <u>SEE OFFICE ACTION</u></p> <p>7. SECTIONAL VIEWS. 37 CFR 1.84(h)(3)
 <input type="checkbox"/> Sectional designation should be noted with Arabic or Roman numbers. Fig(s) _____
 <input type="checkbox"/> shading (Fig 1-5, 15A, 15, 15B, 50, 49, 51-53, 55, 593-57, 197, 198)
 <input type="checkbox"/> lead lines w/o referential Number (Fig 190)</p> | <p>8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
 <input type="checkbox"/> Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) _____</p> <p>9. SCALE. 37 CFR 1.84(k)
 <input type="checkbox"/> Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) _____</p> <p>10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(l)
 <input type="checkbox"/> Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) <u>28-29B, 30, 31, 33, 36</u></p> <p>11. SHADING. 37 CFR 1.84(m) <u>(See comments)</u>
 <input type="checkbox"/> Solid black areas pale. Fig(s) _____
 <input type="checkbox"/> Solid black shading not permitted. Fig(s) _____</p> <p>12. NUMBERS, LETTERS, & REFERENCE CHARACTERS. 37 CFR 1.84(p)
 <input type="checkbox"/> Numbers and reference characters not plain and legible. Fig(s) <u>1-199</u>
 <input type="checkbox"/> Figure legends are poor. Fig(s) <u>1-199</u>
 <input type="checkbox"/> Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1)
 Fig(s) _____
 <input type="checkbox"/> English alphabet not used. 37 CFR 1.84(p)(2)
 Fig(s) _____
 <input type="checkbox"/> Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) _____</p> <p>13. LEAD LINES. 37 CFR 1.84(q)
 <input type="checkbox"/> Lead lines missing. Fig(s) _____</p> <p>14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.84(t)
 <input type="checkbox"/> Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) _____</p> <p>15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
 <input type="checkbox"/> Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) _____</p> <p>16. DESIGN DRAWINGS. 37 CFR 1.152
 <input type="checkbox"/> Surface shading shown not appropriate. Fig(s) _____
 <input type="checkbox"/> Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) _____</p> |
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COMMENTS:

- 37, 38B, 39, 41, 43-44, 45, 103, 104, 105A, 107, 112, 179-185 Views placed incorrectly
593-57, 197, 198 (Fig 6, 13, 20, 27, 28, 31, 38B,
lead lines w/o referential Number (Fig 190) 52, 65, 152, 157-159, 161-173B, 173D,

Reviewer _____

If you have questions, call (703) 305-8404.

Date 10/23/07

Attachment to Paper No. _____